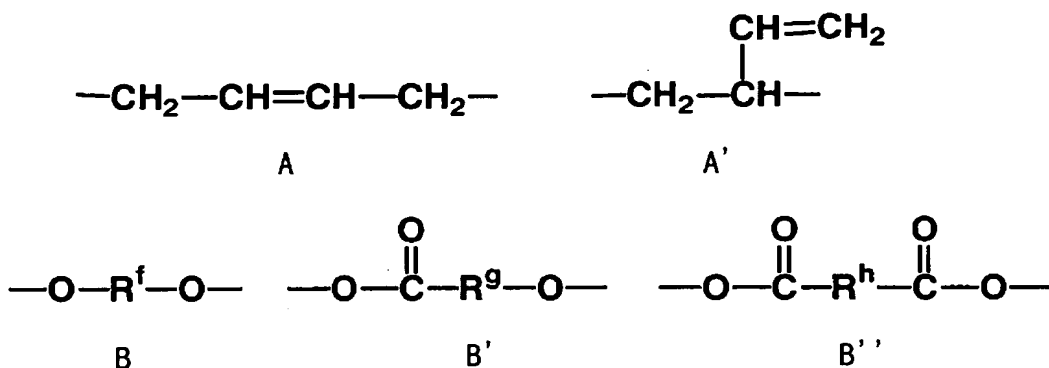


IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Cancelled)

Claim 11 (Withdrawn): A condensation copolymer containing a butenediyl unit expressed by the following formulae A and A' and a dioxy unit expressed by the following formulae B, B' and/or B'',



wherein R^f, R^g and R^h are respectively independently a bivalent organic group which may have a substituent.

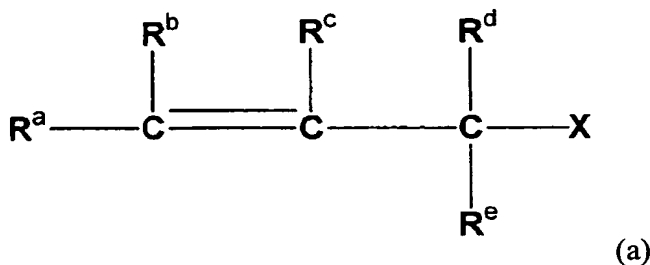
Claim 12 (Withdrawn): The condensation copolymer according to Claim 11, wherein the butenediyl unit expressed by the formula A and the butenediyl unit expressed by the formula A' are present in a mol ratio of A: A'=1:10-10:1 in the copolymer.

Claim 13 (Previously Presented): A method for producing an allyl compound comprising:

reacting a first allyl compound of formula (a) with an oxygen nucleophilic agent in the presence of a catalyst containing a multidentate phosphite compound and at least one transition metal compound containing a transition metal selected from the group consisting of transition metals belonging to Group 8 to Group 10 of the Periodic Table, under conditions suitable for producing a second allyl compound,

wherein the second allyl compound has a compositional structure different than that of the first allyl compound, and

wherein formula (a) is:



wherein R^a to R^e are independently a hydrogen atom, a halogen atom, a hydroxyl group, an amino group, a formyl group, an alkyl group, an aryl group (including a heterocyclic compound forming an aromatic 6π electron cloud on the upper and lower sides of the ring, hereinafter the same), an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, an amide group, an acyl group or an acyloxy group;

among these groups, the amino group, the alkyl group, the aryl group, the alkoxy group, the aryloxy group, the alkylthio group, the arylthio group, the acyl group or the acyloxy group may have a substituent; and

when any of R^a to R^e has a carbon chain, the carbon chain may have at least one carbon-carbon double bond or triple bond;

X is a halogen atom, a hydroxyl group, a nitro group, an amino group, a sulfonyl group, a sulfonate group, an acyloxy group, a carbonate group, a carbamate group, a phosphate group, an alkoxy group or an aryloxy group; among these groups, the amino group, the sulfonyl group, the sulfonate group, the acyloxy group, the carbonate group, the carbamate group, the phosphate group, the alkoxy group and the aryloxy group may have a substituent; when X has a carbon chain, the carbon chain may have at least one carbon-carbon double bond or triple bond; and

at least two optional groups among R^a to R^e and X may bond to each other to form at least one cyclic structure;

wherein the oxygen nucleophilic agent is not the same as the X of the first allyl compound, X^- , or the proton adduct of X.

Claim 14 (Previously Presented): The method of Claim 13, wherein the first allyl compound has a molecular weight of 1,500 Da or less or contains at most 100 carbon atoms.

Claim 15 (Previously Presented): The method of Claim 13, wherein R^a to R^e are independently selected from the group consisting of hydrogen, alkyl, substituted alkyl, aryl, and substituted aryl.

Claim 16 (Previously Presented): The method of Claim 13, wherein X is a halogen atom.

Claim 17 (Previously Presented): The method of Claim 13, wherein X is a hydroxy group, an alkoxyl group or an aryloxy group.

Claim 18 (Previously Presented): The method of Claim 13, wherein X is a nitro group or an amino group.

Claim 19 (Previously Presented): The method of Claim 13, wherein X is a sulfonyl group or a sulfonate group.

Claim 20 (Previously Presented): The method of Claim 13, wherein X is an acyloxy group, a carbonate group, a carbamate group, or a phosphate group.

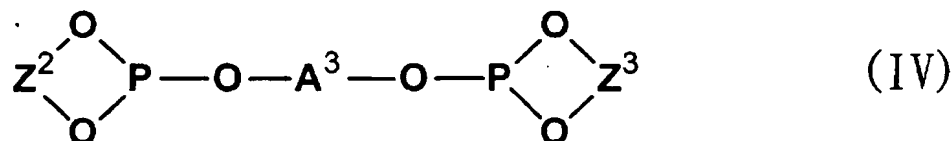
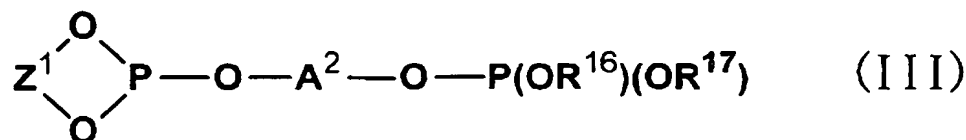
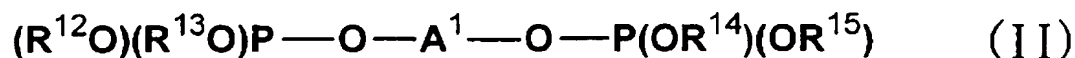
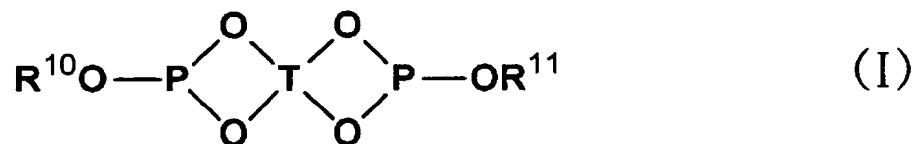
Claim 21 (Previously Presented): The method of Claim 13, wherein the oxygen nucleophilic agent is an alcohol, a deprotonated alcohol, a hydroxaryl, a deprotonated hydroxaryl, an aromatic carboxylic acid, or a deprotonated aromatic carboxylic acid.

Claim 22 (Previously Presented): The method of Claim 13, wherein the reaction occurs in the presence of a catalyst which contains a multidentate phosphite compound.

Claim 23 (Previously Presented): The method of Claim 24, wherein the multidentate phosphite compound is a bidentate phosphite compound.

Claim 24 (Previously Presented): The method of Claim 13, wherein the transition metal compound is at least one compound selected from the group consisting of a ruthenium compound, a rhodium compound, an iridium compound, a nickel compound, a palladium compound and a platinum compound.

Claim 25 (Previously Presented): The method of Claim 13, wherein the multidentate phosphite compound is at least one bidentate phosphite compound selected from the group consisting of compounds expressed by the following structural formulae (I) to (IV),



wherein R^{10} to R^{17} are respectively independently an alkyl or aryl group which may have a substituent, Z^1 to Z^3 and A^1 to A^3 are respectively independently a bivalent organic group, and T is a tetravalent organic group.

Claim 26 (Previously Presented): The method of Claim 25, wherein in the above formulae (II) to (IV), R^{12} to R^{17} are respectively independently an aryl group which may have a substituent, and Z^1 to Z^3 are respectively independently a diarylene group which may have a substituent.

Claim 27 (Previously Presented): The method of Claim 25, wherein the transition metal compound is a palladium compound.

Claim 28 (Previously Presented): The method of Claim 13, wherein the oxygen nucleophilic agent is a compound different from a substituent X and its proton adduct X-H eliminated from the allyl starting material compound by reaction, and is a compound containing a nucleophilic oxygen atom expressed by AO-H or its deprotonated form of AO-, in which A is a hydrogen atom or an organic group having a carbon atom, a nitrogen atom, a phosphorus atom or a sulfur atom bonded to the oxygen atom.

Claim 29 (Previously Presented): The method of Claim 13, wherein a phosphonium compound is present during the reaction.

Claim 30 (Previously Presented): The method of Claim 13, wherein an ammonium compound is present during the reaction.